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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/522,669	01/12/2006	Naoki Matsuyama	Q85994	8583
65565 7590 08/04/2010 SUGHRUE-265550 2100 PENNSYLVANIA AVE. NW			EXAMINER	
			JOYCE, WILLIAM C	
WASHINGTO	WASHINGTON, DC 20037-3213		ART UNIT	PAPER NUMBER
			3656	•
			NOTIFICATION DATE	DELIVERY MODE
			08/04/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

SUGHRUE265550@SUGHRUE.COM USPTO@SUGHRUE.COM PPROCESSING@SUGHRUE.COM

Application No. Applicant(s) 10/522,669 MATSUYAMA ET AL. Office Action Summary Examiner Art Unit William C. Joyce 3656 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 27 July 2010. 2a) ☐ This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-30 and 107-111 is/are pending in the application. 4a) Of the above claim(s) 3 and 5-30 is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1.2.4 and 107-111 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date

Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/06)

Attachment(s)

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

Application/Control Number: 10/522.669 Page 2

Art Unit: 3656

DETAILED ACTION

This Office Action is in response to the amendment filed July 27, 2010 for the above identified patent application.

Claim Rejections - 35 USC § 102

 The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- Claims 1, 4, 107, 108, and 110 are rejected under 35 U.S.C. 102(b) as being anticipated by Sugiyama (JP 2002-130589).

Sugiyama discloses a spindle unit comprising: a rolling bearing (10) including an outer ring having an outer ring raceway on an inner peripheral surface, an inner ring having an inner ring raceway on an outer peripheral surface, and rolling elements provided rollably between the outer ring raceway and the inner ring raceway, whereby a spindle (5) is borne rotatably in a housing; and a grease supply system for supplying a grease to an inside of the rolling bearing; wherein the grease supply system supplies the grease such that a supply amount in one shot is set to 0.0005 cc to 0.01 cc.

Application/Control Number: 10/522,669 Page 3

Art Unit: 3656

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

 Claims 2, 107, 109, and 111 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sugiyama (JP 2002-130589) in view of the prior art disclosed by applicant in Figures 113-121 and in pages 1-11 of the Specification.

For example, Figure 115 of the instant application illustrates a ball bearing having a lubrication opening formed in the outer ring, the opening is located in an area other than the raceway groove. It would have been obvious to one of ordinary skill in the art at the time the invention was made to configure the bearing of Sugiyama with a lubrication port spaced from the raceway groove, as taught by the prior art illustrated in Figure 115, motivation being to provide lubricant to the rolling elements without reducing the operating capacity of the raceway surface.

In the written disclosure, applicant discloses that it was known to use a lubricated bearing for a tool spindle. It would have been obvious to one of ordinary skill in the art to use the bearing arrangement of Sugiyama in either a motor spindle or a tool spindle, motivation being to support the shaft/spindle for rotation with reduced friction.

Application/Control Number: 10/522,669

Art Unit: 3656

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Joyce whose telephone number is (571) 272-7107. The examiner can normally be reached on Monday - Thursday 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William C. Joyce/ Primary Examiner, Art Unit 3656